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Assistant Commissioner for Patents,
Washington, D.C. 20231,
On March 5, 2002

Quine Intellectual Property Law Group, P.C.

By


Evelyn Gomez

Attorney Docket No. 02-103610US
Client Ref. No. 0162.210US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Lu Liu, *et al.*

Application No.: 09/932,254

Filed: August 16, 2001

For: NOVEL CONSTRUCTS AND
THEIR USE IN METABOLIC
PATHWAY ENGINEERING

Examiner: Unassigned

Art Unit: 1635

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97 and
§ 1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

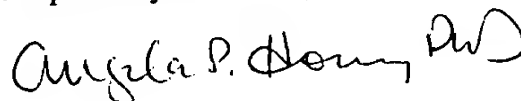
Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

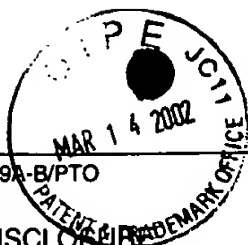
Respectfully submitted,

A handwritten signature in cursive script that reads "Angela P. Home" followed by a large, stylized "PhD" in the upper right corner.

Angela P. Home, Ph.D.
Reg. No. 41,079

QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.
P.O. Box 458
Alameda, CA 94501
Tel: (510) 337-7871
Fax: (510) 337-7877

APH: emg



Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	09/932,254
	Filing Date	August 16, 2001
	First Named Inventor	Lu Liu
	Group Art Unit	1635
	Examiner Name	Unassigned
	Attorney Docket Number	02-103610US
Date Submitted	March 5, 2002	

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U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	AA	5,231,020		Jorgensen et al.	07-27-1993	
	AB	5,610,041		Somerville et al.	03-11-1997	
	AC	5,663,063		Peoples et al.	09-02-1997	
	AD	5,698,425		Ligon et al.	12-16-1997	
	AE	5,783,431		Peterson et al.	07-21-1998	
	AF	5,824,485		Thompson et al.	10-20-1998	
	AG	6,077,696		Khosla et al.	06-20-2000	
	AH	6,258,566		Barr et al.	07-10-2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	AI	WO	99/07867	A1	Calgene LLC	02-18-1999		
	AJ	WO	00/06747	A2	Metabolix, Inc.	02-10-2000		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T	
	AK	Beaujean, et al., (2000) "Engineering Direct Fructose Production in Processed Potato Tubers by Expressing a Bifunctional Alpha-Amylase/Glucose Isomerase Gene Complex," <i>Biotechnology and Bioengineering</i> , Vol. 70, No. 1, pp. 9-16.		
	AL	Bulow L., (1990) "Preparation of Artificial Bifunctional Enzymes by Gene Fusion" <i>Biochem. Soc. Symp.</i> , 57:123-133.		
	AM	Bulow, et al., (1991) "Multienzyme Systems Obtained by Gene Fusion," <i>Tibtech</i> , Vol. 9, No. 7, pp. 226-231.		
	AN	Carlsson, et al., (1994) "Use of Genetically Prepared Enzyme Conjugates in Lactose and Galactose Analyses," <i>Anal. Biochem.</i> , 218(2):278-283.		
	AO	Carlsson, et al., (1996) "Physical and Kinetic Effects on Induction of Various Linker Regions in Beta-Galactosidase/Galactose Dehydrogenase Fusion Enzymes," <i>Biochim. Biophys. Acta.</i> , 1293(1):154-160.		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Part of Paper No. 8



Substitute for form 1449A-B (10-96)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/932,254
Filing Date	August 16, 2001
First Named Inventor	Lu Liu
Group Art Unit	1635
Examiner Name	Unassigned
Attorney Docket Number	02-103610US
Date Submitted	March 5, 2002

AP	Carreras, et al., (1997) "The Chemistry and Biology of Fatty Acid, Polyketide, and Nonribosomal Peptide Biosynthesis," <i>Topics in Current Chemistry</i> , Vol. 188, pp. 85-126.
AQ	Lindbladh, et al., (1992) "Characterization of a Recombinant Bifunctional Enzyme, Galactose Dehydrogenase/Bacterial Luciferase, Displaying an Improved Bioluminescence in a Three-Enzyme System," <i>Eur. J. Biochem.</i> , 204(1):241-247.
AR	Lindbladh, et al., (1994) "Preparation and Kinetic Characterization of a Fusion Protein of Yeast Mitochondrial Citrate Synthase and Malate Dehydrogenase," <i>Biochemistry</i> , 33(39): 11692-11698.
AS	Ljungcrantz, et al., (1990) "Construction and Characterization of a Recombinant Tripartite Enzyme, Galactose Dehydrogenase/Beta-Galactosidase/Galactokinase," <i>FEBS</i> , Vol. 275, number 1,2, pp. 91-94.
AT	Nixon, et al., (1998) "Hybrid Enzymes: Manipulating Enzyme Design," <i>Tibtech</i> , Vol. 16, pp. 258-264.
AU	Scolnik, et al., (1996) "A Table of Some Cloned Plant Gene Involved in Isoprenoid Biosynthesis," <i>Plant Molecular Biology Reporter</i> , 14(4):pp. 305-319
AV	Kosan Biosciences, Inc., (2000) "Combinatorial Biosynthesis: Organic Molecule Diversity Through Recombinant DNA Technology," scientific prospectus pp.1-12.

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